

CLAIMS

WE CLAIM:

1. A METHOD OF PATHOGEN REMAVAL FOM JUICES COMPRISING THE STEPS OF:
 - A. CREATING ACTIVATED OXYGEN GAS BY PASSING AMBIENT AIR OVER AN ULTRAVIOLET LAMP (185 NANOMETER FREQUENCY).
 - B. INJECTING THE ACTIVATED OXYGEN GAS INTO THE JUICE CONTAINER USING POROUS SPARGING TUBES (BUBBLE CREATING) TO CREATE 20 TO 60 MICRON ACTIVATED OXYGEN BUBBLES.
 - C. TO BUBBLE THE ACTIVATED OXYGEN GAS FOR A SPECIFIC AMOUNT OF TIME (TIME WILL VARY WITH DIFFERENT JUICES).
 - D. THE EXPOSURE TO ACTIVATED OXYGEN FOR THE SPECIFIC DESIGNED TIME WILL DESTROY PATHOGENS, AND NOT AFFECT ENZYMES.
2. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS APPLE CIDER
3. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS ORANGE
4. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS TANGERINE
5. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS CRANBERRY
6. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS LIME
7. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS GRAPEFRUIT
8. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS CHERRY
9. THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS GRAPE
- 10 THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS APRICOT
- 11 THE PROCESS FOR CLAIM1, WHEREIN THE JUICE IS STRAWBERRY
- 12 THE PROCESS FOR CLAIM1, WHEREIN THE JUICE IS NECTARINE
- 13 THE PROCESS OFR CLAIM 1, WHEREIN THE JUICE IS PEACH
- 14 THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PEACH NECTAR
- 15 THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS RASPBERRY
- 16THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS LEMON
- 17THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PEAR
- 18THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PINEAPPLE
- 19THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS BLACKBERRY
- 20THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS BLUEBERRY
- 21THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PRUNE
- 22THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS MANGO
- 23THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PAPAYA
- 24THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS GUAVA
- 25THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS BOYSENBERRY
- 26THE PROCESS FOR CLAIM 1, WHEREIN THE JUICE IS PLUM
- 27THE PROCESS FOR CLAIM 1, FOR ANY MIXTURES OF THE ABOVE
- 28THE PROCESS FOR CLAIM 1, WILL NOT DESTROY THE ENZYMES AS DOES ALL PASTEURIZATION SYSTEMS.